NUVEEN PREMIUM INCOME MUNICIPAL FUND 4 INC Form N-Q September 28, 2007

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

FORM N-Q

QUARTERL	Y SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMPANY	
Investment Compa	ny Act file number 811-07432	
	Nuveen Premium Income Municipal Fund 4, Inc. (Exact name of registrant as specified in charter)	
	Nuveen Investments 333 West Wacker Drive, Chicago, Illinois 60606 (Address of principal executive offices) (Zip code)	
	Kevin J. McCarthy—Vice President and Secretary 333 West Wacker Drive, Chicago, Illinois 60606 (Name and address of agent for service)	
Registrant's telepho	one number, including area code: 312-917-7700	
Date of fiscal year	end:10/31	
Date of reporting p	eriod: <u>7/31/07</u>	
239.24 and 274.5 o pursuant to rule 30	used by management investment companies, other than small business investment companies registered on Form N-5 (§§ f this chapter), to file reports with the Commission, not later than 60 days after the close of the first and third fiscal quarters, b1-5 under the Investment Company Act of 1940 (17 CFR 270.30b1-5). The Commission may use the information provided regulatory, disclosure review, inspection, and policymaking roles.	
is not required to re Management and E estimate and any su	ired to disclose the information specified by Form N-Q, and the Commission will make this information public. A registrant espond to the collection of information contained in Form N-Q unless the Form displays a currently valid Office of sudget ("OMB") control number. Please direct comments concerning the accuracy of the information collection burden aggestions for reducing the burden to the Secretary, Securities and Exchange Commission, 450 Fifth Street, NW, Washington, the OMB has reviewed this collection of information under the clearance requirements of 44 U.S.C. § 3507.	,
Item 1. Schedule o	of Investments	
	Portfolio of Investments (Unaudited)	
	Nuveen Premium Income Municipal Fund 4, Inc. (NPT)	
	July 31, 2007	
Principal		Option
Amount (000)	Description (1)	Provisio

	Alabama [] 4.2% (2.4% of Total Investments)	
\$ 5,150	Alabama 21st Century Authority, Tobacco Settlement Revenue Bonds, Series 2001, 5.750%, 12/01/16	12/11 at
2,395	Alabama Housing Finance Authority, FNMA Multifamily Housing Revenue Bonds, South Bay	2/11 at 1
11.895	Apartments, Series 2000K, 5.950%, 2/01/33 (Alternative Minimum Tax)	10/07 at
11,095	Alabama Special Care Facilities Financing Authority, Birmingham, Hospital Revenue Bonds, Daughters of Charity National Health System [] Providence Hospital and St. Vincent[]s Hospital,	10/07 at .
	Series 1995, 5.000%, 11/01/25 (ETM)	
4,000	Alabama Special Care Facilities Financing Authority, Revenue Bonds, Ascension Health, Series	11/16 at 1
	2006C-2, 5.000%, 11/15/39	
23,440	Total Alabama	
	Alaska [] 0.9% (0.5% of Total Investments)	
1,665	Alaska Housing Finance Corporation, General Housing Purpose Bonds, Series 2005A, 5.000%,	12/14 at
	12/01/30 [] FGIC Insured	
3,065	Alaska Municipal Bond Bank Authority, General Obligation Bonds, Series 2003E, 5.250%, 12/01/26	12/13 at
	MBIA Insured	
 4,730	Total Alaska	
	Arizona 🛘 1.7% (1.0% of Total Investments)	
5,000	Arizona Tourism and Sports Authority, Tax Revenue Bonds, Multipurpose Stadium Facility	7/13 at 1
	Project, Series 2003A, 5.000%, 7/01/31 MBIA Insured	
4,100	Salt River Project Agricultural Improvement and Power District, Arizona, Electric System Revenue Bonds, Series 2003, 5.000%, 12/01/18 [] MBIA Insured	12/13 at 1
9,100	Total Arizona	
	Arkansas 🛘 0.0% (0.0% of Total Investments)	
6	Jacksonville Residential Housing Facilities Board, Arkansas, FNMA Mortgage-Backed Securities	1/08 at 1
	Program Single Family Mortgage Revenue Refunding Bonds, Series 1993A-2, 7.900%, 1/01/11	
58	Lonoke County Residential Housing Facilities Board, Arkansas, FNMA Mortgage-Backed Securities	10/07 at 1
	Program Single Family Mortgage Revenue Refunding Bonds, Series 1993A, 7.900%, 4/01/11	
 64	Total Arkansas	
	California ☐ 19.2% (11.2% of Total Investments)	
3,335	Anaheim Public Finance Authority, California, Public Improvement Project Lease Revenue Bonds,	9/17 at 1
	UBS Residual Series 07 1011-1013, 5.390%, 3/01/37 [] FGIC Insured (IF)	
1,800	California Department of Water Resources, Power Supply Revenue Bonds, Series 2002A, 5.500%,	5/12 at 1
17.000	5/01/14 AMBAC Insured California Health Facilities Financing Authority, Health Facility Poyonus Ronds, Adventict	2/12 at 1
17,000	California Health Facilities Financing Authority, Health Facility Revenue Bonds, Adventist Health System/West, Series 2003A, 5.000%, 3/01/33	3/13 at 1
5,000		4/16 at 1
_,500	Series 2006, 5.000%, 4/01/37	., _ 0
2,900	California Health Facilities Financing Authority, Revenue Bonds, Sutter Health, Series 2007A,	11/16 at 1
	5.000%, 11/15/42	

No O

11,000 California Infrastructure Economic Development Bank, First Lien Revenue Bonds, San Francisco

	Bay Area Toll Bridge, Series 2003A, 5.000%, 7/01/33 🛘 AMBAC Insured (ETM) (UB)	
2.000	California Infrastructure Economic Development Bank, Revenue Bonds, Kaiser Hospital Assistance	8/11 at
2,000	LLC, Series 2001A, 5.550%, 8/01/31	0,11 00
19,545	California State, General Obligation Bonds, Series 2006, 5.000%, 6/01/33	6/15 at
•	CIFG Insured (UB)	-,
12,000	California, General Obligation Bonds, Series 2003, 5.250%, 2/01/22	8/13 at
	California, General Obligation Bonds, Series 2004, 5.100%, 2/01/34 (Pre-refunded 2/01/09)	2/09 at
4,780	Foothill/Eastern Transportation Corridor Agency, California, Toll Road Revenue Bonds, Series 1995A, 0.000%, 1/01/14 (ETM)	No O
610	Golden State Tobacco Securitization Corporation, California, Enhanced Tobacco Settlement Asset-Backed Bonds, Series 2007A-1, 5.125%, 6/01/47	6/17 at
1,000	Golden State Tobacco Securitization Corporation, California, Tobacco Settlement Asset-Backed Bonds, Series 2003A-1, 6.750%, 6/01/39 (Pre-refunded 6/01/13)	6/13 at
3,190	Hillsborough City School District, San Mateo County, California, General Obligation Bonds, Series 2006B, 0.000%, 9/01/27	No O
11,310	San Francisco Bay Area Rapid Transit District, California, Sales Tax Revenue Bonds, Refunding Series 2006A, 4.250%, 7/01/31 \square FSA Insured (UB)	7/16 at
31,300	San Joaquin Hills Transportation Corridor Agency, Orange County, California, Toll Road Revenue Bonds, Refunding Series 2006A, 0.000%, 1/15/34 [] MBIA Insured (UB)	No O
1,945	South Gate Public Financing Authority, California, Water Revenue Refunding Bonds, Series 1996A, 6.000%, 10/01/12 [] FGIC Insured	No O
133,215	Total California	
	Colorado ☐ 5.6% (3.3% of Total Investments)	
6,500	Adams 12 Five Star Schools, Adams County, Colorado, General Obligation Bonds, Series 2005,	12/15 at
	4.750%, 12/15/23 ☐ FSA Insured	
2,000	Colorado Health Facilities Authority, Revenue Refunding Bonds, Catholic Health Initiatives,	9/11 at
	Series 2001, 5.250%, 9/01/21 (Pre-refunded 9/01/11)	
	Colorado Housing Finance Authority, Single Family Program Senior Bonds, Series 1999C-3, 6.750%, 10/01/21	10/09 at
3,040	Denver City and County, Colorado, Airport System Revenue Bonds, Series 1991D, 7.750%, 11/15/13 (Alternative Minimum Tax)	No O
	Denver Convention Center Hotel Authority, Colorado, Senior Revenue Bonds, Convention Center Hotel, Series 2003A:	
2,940	5.000%, 12/01/20 (Pre-refunded 12/01/13) [] XLCA Insured	12/13 at
10,000	5.000%, 12/01/33 (Pre-refunded 12/01/13) 🛘 XLCA Insured	12/13 at
4,345	El Paso County School District 20, Academy, Colorado, General Obligation Bonds, Series 2002, 5.250%, 12/15/17 FGIC Insured	12/12 at
755	Jefferson County School District R1, Colorado, General Obligation Bonds, Series 2004, 5.000%, 12/15/22 FSA Insured	12/14 at
30,080	Total Colorado	
	District of Columbia [] 2.1% (1.3% of Total Investments)	
5	District of Columbia, General Obligation Bonds, Series 1993E, 6.000%, 6/01/09 🛘 CAPMAC Insured	12/07 at
4,250	District of Columbia, Hospital Revenue Refunding Bonds, Medlantic Healthcare Group, Series 1993A, 5.750%, 8/15/14 [] MBIA Insured (ETM)	10/07 at

	District of Columbia, Revenue Bonds, Georgetown University, Series 2001A:	
9,670	0.000%, 4/01/26 (Pre-refunded 4/01/11) ☐ MBIA Insured	4/11 at
15,235	0.000%, 4/01/30 (Pre-refunded 4/01/11) [] MBIA Insured	4/11 at
29,160	Total District of Columbia	
	Florida [] 6.3% (3.7% of Total Investments)	
5,000	Broward County School Board, Florida, Certificates of Participation, Series 2003, 5.000%, 7/01/28 MBIA Insured	7/13 at :
5,000	Hillsborough County Aviation Authority, Florida, Revenue Bonds, Tampa International Airport, Series 2003A, 5.250%, 10/01/18 [] MBIA Insured (Alternative Minimum Tax)	10/13 at :
5,000	Martin County Industrial Development Authority, Florida, Industrial Development Revenue Bonds, Indiantown Cogeneration LP, Series 1994A, 7.875%, 12/15/25 (Alternative Minimum Tax)	12/07 at :
1,380	Miami-Dade County Housing Finance Authority, Florida, Multifamily Housing Revenue Bonds, Sunset Bay Apartments, Series 2000-5A, 5.850%, 7/01/20 [FSA Insured (Alternative Minimum Tax)	1/11 at :
3,500		10/15 at :
5,455	South Miami Health Facilities Authority, Florida, Hospital Revenue, Baptist Health System Obligation Group, Series 2007, 5.000%, 8/15/42	8/17 at :
9,500	Sunrise, Florida, Utility System Revenue Refunding Bonds, Series 1998, 5.000%, 10/01/28 AMBAC Insured	10/18 at 1
34,835	Total Florida	
	Georgia ☐ 2.5% (1.5% of Total Investments)	
4,400	Atlanta, Georgia, Water and Wastewater Revenue Bonds, Series 1999A, 5.500%, 11/01/22 [] FGIC Insured	No Op
2,880	Georgia Municipal Electric Authority, General Power Revenue Bonds, Series 1992B, 8.250%, 1/01/11	No Op
5,500	Georgia Municipal Electric Authority, General Power Revenue Bonds, Series 1993B, 5.700%, 1/01/19 [] FGIC Insured (ETM)	No Op
12,780	Total Georgia	
	Hawaii ☐ 1.0% (0.6% of Total Investments)	
3,720	Honolulu City and County, Hawaii, General Obligation Refunding and Improvement Bonds, Series 1993B, 5.000%, 10/01/13	No Op
1,580	Honolulu City and County, Hawaii, General Obligation Refunding and Improvement Bonds, Series 1993B, 5.000%, 10/01/13 (ETM)	No Op
5,300	Total Hawaii	
	Illinois [] 17.2% (10.1% of Total Investments)	
4,000	Chicago Board of Education, Illinois, General Obligation Lease Certificates, Series 1992A, 6.250%, 1/01/15 [] MBIA Insured	No Op
17,000	Chicago Metropolitan Water Reclamation District, Illinois, General Obligation Bonds, Series 2006, 5.000%, 12/01/35 (UB)	12/16 at :
5,550	Chicago, Illinois, Revenue Bonds, Midway Airport, Series 2001A, 5.125%, 1/01/26 ☐ FSA Insured (Alternative Minimum Tax)	1/11 at :

5,000	Chicago, Illinois, Sales Tax Revenue Bonds, Series 1998, 5.250%, 1/01/28 [] FGIC Insured	7/08 at 1
1,665	Chicago, Illinois, Third Lien General Airport Revenue Bonds, O∏Hare International Airport,	1/16 at :
	Series 2005A, 5.000%, 1/01/33 [] FGIC Insured	
	Cook County School District 99, Cicero, Illinois, General Obligation School Bonds, Series 1997:	
1,455	8.500%, 12/01/13 [] FGIC Insured	No Op
1,685	8.500%, 12/01/15 [] FGIC Insured	No Op
6,070	Illinois Development Finance Authority, GNMA Collateralized Mortgage Revenue Bonds, Greek American Nursing Home Committee, Series 2000A, 7.600%, 4/20/40	4/11 at :
1,385	Illinois Finance Authority, General Obligation Debt Certificates, Local Government Program Kankakee County, Series 2005B, 5.000%, 12/01/18 AMBAC Insured	12/14 at :
2,515		8/14 at 1
4,000	Illinois Health Facilities Authority, FHA-Insured Mortgage Revenue Refunding Bonds, Sinai Health System, Series 2003, 5.150%, 2/15/37	8/13 at 1
4,000	Illinois Health Facilities Authority, Revenue Bonds, Condell Medical Center, Series 2002, 5.500%, 5/15/32 Illinois Health Facilities Authority, Revenue Refunding Bonds, Lutheran General Health System,	5/12 at :
	Series 1993C:	
1,570	7.000%, 4/01/08	No Op
4,075	7.000%, 4/01/14	No O _I
675	Illinois Housing Development Authority, Multifamily Program Bonds, Series 1994-5, 6.650%, 9/01/14	9/07 at 1
9,795	Lake, Cook, Kane and McHenry Counties Community Unit School District 220, Barrington,	No O _l
	Illinois, School Refunding Bonds, Series 2002, 5.250%, 12/01/19 🛮 FSA Insured	
	Metropolitan Pier and Exposition Authority, Illinois, Revenue Bonds, McCormick Place Expansion	
	Project, Series 2002A:	
9,500	0.000%, 6/15/24 [] MBIA Insured	6/22 at 1
4,540	5.000%, 12/15/28 [] MBIA Insured	6/12 at 1
36,040	0.000%, 6/15/40 [] MBIA Insured	No Op
3,050	Regional Transportation Authority, Cook, DuPage, Kane, Lake, McHenry and Will Counties,	No Op
	Illinois, General Obligation Bonds, Series 1990A, 7.200%, 11/01/20 🛮 AMBAC Insured	
123,570	Total Illinois	
	Indiana 🛘 9.4% (5.5% of Total Investments)	
	Carmel Redevelopment Authority, Indiana, Lease Rent Revenue Bonds, Series 2005:	
1,950	0.000%, 2/01/24	No O
2,705	0.000%, 2/01/25	No O
3,965	Indiana Educational Facilities Authority, Revenue Bonds, Butler University, Series 2001,	2/11 at 1
-,	5.500%, 2/01/26 MBIA Insured	-, ·
1,500	Indiana Educational Facilities Authority, Revenue Bonds, University of Indianapolis, Series	10/09 at
1,500	1999, 5.750%, 10/01/19 [] FSA Insured	10,00 0.0
22,000		8/10 at
	Group, Series 2000A, 5.500%, 2/15/30 (Pre-refunded 8/15/10) ☐ MBIA Insured	
3,000	Indiana Health Facility Financing Authority, Hospital Revenue Refunding Bonds, Columbus Regional Hospital, Series 1993, 7.000%, 8/15/15 [] FSA Insured	No O
2,800	Indiana Health Facility Financing Authority, Revenue Bonds, Community Hospitals of Indiana, Series 2005A, 5.000%, 5/01/35 [] AMBAC Insured	5/15 at
4,000	Indiana Transportation Finance Authority, Highway Revenue Bonds, Series 2003A, 5.000%, 6/01/23	6/13 at

34,915	Total Louisiana	_
.,133	5.950%, 11/01/14 [] FSA Insured	12,07
4 195	FGIC Insured (IF) Orleans Levee District, Louisiana, Levee District General Obligation Bonds, Series 1986,	12/07 a
170	Louisiana State, Gasoline Tax Revenue Bonds, Series 2006, Residuals 660-3, 5.620%, 5/01/41	5/16 a
15,820	4.500, 5/01/41 [FGIC Insured (UB)	5/16 a
1,480	4.750, 5/01/39	5/16
	Louisiana State, Gasoline and Fuels Tax Revenue Bonds, Series 2006:	
	Drivers 1754, 5.886%, 7/01/37 🛘 CIFG Insured (IF)	
3,280	Louisiana Public Facilities Authority, Revenue Bonds, Archdiocese of New Orleans, Series 2007,	7/17
	Lady Health System, Series 2005A, 5.250%, 8/15/32	
5,150	Louisiana Public Facilities Authority, Hospital Revenue Bonds, Franciscan Missionaries of Our	8/15
	6.500%, 6/20/37	
,	GNMA Collateralized Mortgage Revenue Refunding Bonds, Sharlo Apartments, Series 2002A,	-, -
1,750	Louisiana Local Government Environmental Facilities and Community Development Authority,	6/12
3,070	Bonds, Series 2002, 5.250%, 12/01/20 (Pre-refunded 12/01/12) AMBAC Insured	12/12
3 070	Louisiana [] 6.0% (3.5% of Total Investments) Jefferson Sales Tax District, Jefferson Parish, Louisiana, Special Sales Tax Revenue Refunding	12/12
10,575	Total Kansas	
	5.300%, 6/01/31 [] MBIA Insured	
1,750	Wamego, Kansas, Pollution Control Revenue Bonds, Kansas Gas and Electric Company, Series 2004,	6/14
0,023	2000, 3.500%, 9/01/16	3,10
6.825	Sedgwick County Unified School District 259, Wichita, Kansas, General Obligation Bonds, Series	9/10
2,000	Olathe, Kansas, Health Facilities Revenue Bonds, Olathe Medical Center, Series 2000A, 5.500%, 9/01/25 [] AMBAC Insured	9/10
	Kansas 🛘 1.8% (1.1% of Total Investments)	
	5.000%, 7/01/20	
1,000	lowa Finance Authority, Health Facility Revenue Bonds, Care Initiatives Project, Series 2006A,	7/16
	Iowa 🛮 0.2% (0.1% of Total Investments)	
53,340	Total Indiana	
	FGIC Insured	
2,000	County, Indiana, First Mortgage Bonds, Series 2000, 5.500%, 7/15/20 (Pre-refunded 1/15/11)	_,
5,000	Metropolitan School District Warren Township Vision 2005 School Building Corporation, Marion	1/11
420	Rental Revenue Bonds, Series 1997A, 5.000%, 6/01/27 MBIA Insured	0/03
420	(Pre-refunded 6/01/13) ☐ FSA Insured Marion County Convention and Recreational Facilities Authority, Indiana, Excise Tax Lease	6/09
6,000	Indiana Transportation Finance Authority, Highway Revenue Bonds, Series 2003A, 5.000%, 6/01/24	6/13
0,000		6/1

2,905 Maryland Community Development Administration, Housing Revenue Bonds, Series 1996A,

5.875%, 7/01/16

1/08 at

2,900	Maryland Community Development Administration, Housing Revenue Bonds, Series 1997A, 6.000%, 7/01/39 (Alternative Minimum Tax)	1/08
50		8/14
	Series 2004, 5.375%, 8/15/24	
2,210	Maryland Health and Higher Educational Facilities Authority, Revenue Bonds, Western Maryland Health, Series 2006A, 4.750%, 7/01/36 ☐ MBIA Insured (UB)	7/16
6,800	Montgomery County Housing Opportunities Commission, Maryland, GNMA/FHA-Insured Multifamily	1/08
,,,,,,,	Housing Revenue Bonds, Series 1996B, 6.400%, 7/01/28 (Alternative Minimum Tax)	,
2,315	Montgomery County Housing Opportunities Commission, Maryland, Multifamily Housing Development Bonds, Series 2000B, 6.125%, 7/01/20 (Alternative Minimum Tax)	7/10
17,180	Total Maryland	
	Massachusetts [] 0.8% (0.5% of Total Investments)	
3,585	Massachusetts Development Finance Agency, Revenue Bonds, Curry College, Series 2005A, 5.000%,	3/15
	3/01/35 ☐ ACA Insured	
1,155	Massachusetts Water Resources Authority, General Revenue Bonds, Series 2007, Residual Trust 7039, 5.809%, 8/01/46 ☐ FSA Insured (IF)	2/1
4,740	Total Massachusetts	
	Michigan 🛘 7.6% (4.4% of Total Investments)	
6,000	Detroit, Michigan, Second Lien Sewerage Disposal System Revenue Bonds, Series 2005A, 5.000%,	7/1
	7/01/35 🛮 MBIA Insured	
8,915	Detroit, Michigan, Senior Lien Water Supply System Revenue Bonds, Series 1997A, 5.000%, 7/01/27 [] MBIA Insured	7/0
5,400	Detroit, Michigan, Sewer Disposal System Revenue Bonds, Second Lien, Series 2006B, 4.625%,	7/1
	7/01/34 🛘 FGIC Insured	
	Hancock Hospital Finance Authority, Michigan, FHA-Insured Mortgage Hospital Revenue Bonds,	
	Portage Health System Inc., Series 1998:	
105	4.625%, 8/01/18 (Pre-refunded 8/01/07) MBIA Insured	8/0
4,355	5.450%, 8/01/47 (Pre-refunded 8/01/08) MBIA Insured	8/0
5,000	Michigan State Building Authority, Revenue Refunding Bonds, Facilities Program, Series 2003II, 5.000%, 10/15/29 ☐ MBIA Insured	10/1
10,500		8/0
20,000	Obligated Group, Series 1998A, 5.250%, 8/15/23	3,3

42,775	Total Michigan	
	Minnesota [] 1.3% (0.7% of Total Investments)	
825	Minneapolis-St. Paul Housing Finance Board, Minnesota, FNMA/GNMA Mortgage-Backed Securities	11/07 at :
	Program Single Family Mortgage Revenue Bonds, Series 1997, 5.800%, 11/01/30 (Alternative	
	Minimum Tax)	
3,500	Minneapolis-St. Paul Metropolitan Airports Commission, Minnesota, Airport Revenue Bonds,	1/11 at :
	Series 2001A, 5.250%, 1/01/25 (Pre-refunded 1/01/11) ☐ FGIC Insured	
2,875	Saint Paul Port Authority, Minnesota, Lease Revenue Bonds, Regions Hospital Parking Ramp	8/16 at :

Project, Series 2007-1, 5.000%, 8/01/36

	·	
7,200	Total Minnesota	
	Mississippi ☐ 1.3% (0.8% of Total Investments)	
1,875		9/14 at
E 190	Healthcare, Series 2004B-1, 5.000%, 9/01/24 Mississippi Copyral Obligation Refunding Pands, Series 2003A, 5.500%, 13/01/18	No O
5,180	Mississippi, General Obligation Refunding Bonds, Series 2002A, 5.500%, 12/01/18	No O
7,055	Total Mississippi	
	Missouri [] 0.7% (0.4% of Total Investments)	
1,000	Cape Girardeau County Industrial Development Authority, Missouri, Health Facilities Revenue	6/17 at
	Bonds, Southeast Missouri Hospital Association, Series 2007, 5.000%, 6/01/36	
3,000	Missouri Health and Educational Facilities Authority, Revenue Bonds, BJC Health System, Series 2003, 5.125%, 5/15/24	5/13 at
4,000	Total Missouri	
	Nebraska ☐ 1.7% (1.0% of Total Investments)	
9,000	NebHelp Inc., Nebraska, Senior Subordinate Bonds, Student Loan Program, Series 1993A-5A,	No O
	6.250%, 6/01/18 🛘 MBIA Insured (Alternative Minimum Tax)	
	Nevada ☐ 4.5% (2.6% of Total Investments)	
10,420		6/12 at
	(Pre-refunded 6/15/12) [] MBIA Insured	
4,500		No O
	1991A, 7.000%, 6/01/10 [] MBIA Insured	
7,000	Clark County, Nevada, Motor Vehicle Fuel Tax Highway Improvement Revenue Bonds, Series 2003,	7/13 at
	5.000%, 7/01/23 [] AMBAC Insured	
5,425	Director of Nevada State Department of Business and Industry, Revenue Bonds, Las Vegas	No C
	Monorail Project, First Tier, Series 2000, 0.000%, 1/01/25 🛮 AMBAC Insured	
27,345	Total Nevada	
	New Jersey ☐ 4.8% (2.8% of Total Investments)	
1,100	New Jersey Health Care Facilities Financing Authority, Revenue Bonds, Trinitas Hospital	7/10 at
	Obligated Group, Series 2000, 7.500%, 7/01/30 (Pre-refunded 7/01/10)	
880	New Jersey Turnpike Authority, Revenue Bonds, Series 1991C, 6.500%, 1/01/16 [] MBIA Insured	No C
	New Jersey Turnpike Authority, Revenue Bonds, Series 1991C:	
300	6.500%, 1/01/16 [] MBIA Insured (ETM)	No C
2,345	6.500%, 1/01/16 [] MBIA Insured (ETM)	No C
11,960	Tobacco Settlement Financing Corporation, New Jersey, Tobacco Settlement Asset-Backed Bonds, Series 2002, 5.750%, 6/01/32 (Pre-refunded 6/01/12)	6/12 at
3,995	Tobacco Settlement Financing Corporation, New Jersey, Tobacco Settlement Asset-Backed Bonds,	6/13 at

5,000 Tobacco Settlement Financing Corporation, New Jersey, Tobacco Settlement Asset-Backed Bonds,

6/17 at

Series 2003, 6.750%, 6/01/39 (Pre-refunded 6/01/13)

Series 2007-1A, 4.750%, 6/01/34

25.580	Total	New	lersey

14,445 Total North Carolina

25,500	Total New Jersey	
	New York ☐ 10.3% (6.0% of Total Investments)	
855	Albany Industrial Development Agency, New York, Revenue Bonds, Brighter Choice Charter Schools, Series 2007A, 5.000%, 4/01/32	4/17 at
1,200	Hempstead Industrial Development Agency, New York, Resource Recovery Revenue Refunding Bonds, American Ref-Fuel Company of Hempstead LP, Series 2001, 5.000%, 12/01/10 (Mandatory put 6/01/10)	No O
4,070	Hudson Yards Infrastructure Corporation, New York, Revenue Bonds, 2006A, 4.500%, 2/15/47 ☐ MBIA Insured (UB)	2/17 at :
3,300	Long Island Power Authority, New York, Electric System General Revenue Bonds, Series 2006F, 4.250%, 5/01/33 [] MBIA Insured (UB)	11/16 at 1
6,740	New York City Transitional Finance Authority, New York, Future Tax Secured Bonds, Fiscal Series 1998C, 5.000%, 5/01/26	5/08 at 1
	New York City Transitional Finance Authority, New York, Future Tax Secured Bonds, Fiscal Series 1998C:	
35	5.000%, 5/01/26 (Pre-refunded 5/01/08)	5/08 at 3
6,790	5.000%, 5/01/26 (Pre-refunded 5/01/08) New York City Transitional Finance Authority, New York, Future Tax Secured Bonds, Fiscal Series 2000C:	5/08 at 1
3,630	5.875%, 11/01/16 (Pre-refunded 5/01/10)	5/10 at 1
220	5.875%, 11/01/16 (Pre-refunded 5/01/10)	5/10 at 1
5,000	5.500%, 11/01/24 (Pre-refunded 5/01/10)	5/10 at 1
775		8/07 at 1
,,,	Hospital and Nursing Home Projects, Series 1992B, 6.200%, 8/15/22	0,07 0.0
	New York State Tobacco Settlement Financing Corporation, Tobacco Settlement Asset-Backed and State Contingency Contract-Backed Bonds, Series 2003A-1:	
10,800	5.500%, 6/01/16	6/10 at 1
2,500	5.500%, 6/01/18	6/12 at 1
4,645	New York State Urban Development Corporation, Service Contract Revenue Bonds, Correctional and Youth Facilities, Series 2002A, 5.500%, 1/01/17 (Mandatory put 1/01/11)	No O
6,250	Port Authority of New York and New Jersey, Special Project Bonds, JFK International Air Terminal LLC, Sixth Series 1997, 6.250%, 12/01/15 [] MBIA Insured (Alternative Minimum Tax)	No O _l
56,810	Total New York	
	North Carolina 🛘 2.7% (1.6% of Total Investments)	
2,445	North Carolina Infrastructure Finance Corporation, Certificates of Participation, Correctional Facilities, Series 2004A, 5.000%, 2/01/21	2/14 at 1
2,000	North Carolina Municipal Power Agency 1, Catawba Electric Revenue Bonds, Series 1992, 6.000%, $1/01/11\ \square$ MBIA Insured	No O _l
10,000	North Carolina Municipal Power Agency 1, Catawba Electric Revenue Bonds, Series 2003A, 5.250%, 1/01/18 [] MBIA Insured	1/13 at 1

	Ohio 🛮 2.2% (1.3% of Total Investments)	
	Cleveland, Ohio, Airport System Revenue Bonds, Series 2001A, 5.000%, 1/01/31 🛮 FSA Insured	1/10 at
3,000	Franklin County, Ohio, Development Revenue Bonds, American Chemical Society, Series 1999, 5.800%, 10/01/14	10/09 at 1
1,000	Franklin County, Ohio, FHA-Insured Multifamily Housing Mortgage Revenue Bonds, Hamilton Creek	1/08 at 1
	Apartments Project, Series 1994A, 5.550%, 7/01/24 (Alternative Minimum Tax)	
12,065	Total Ohio	
	Oklahoma [] 3.1% (1.8% of Total Investments)	
	Oklahoma Development Finance Authority, Revenue Bonds, Saint John Health System, Series 2007:	
6,800	5.000%, 2/15/37	2/17 at 1
3,340	5.000%, 2/15/42	2/17 at 3
310	Oklahoma Housing Finance Agency, Single Family Mortgage Revenue Bonds, Homeownership Loan	3/10 at 1
	Program, Series 2000C-2, 6.200%, 9/01/28 (Alternative Minimum Tax)	
3,500	Tulsa County Industrial Authority, Oklahoma, Health Care Revenue Bonds, Saint Francis Health	12/16 at :
	System, Series 2006, 5.000%, 12/15/36	
3,340	Tulsa Industrial Authority, Oklahoma, Hospital Revenue Refunding Bonds, Hillcrest Medical	No Op
	Center, Series 1996, 6.500%, 6/01/09 [] CONNIE LEE/AMBA Insured (ETM)	
17,290	Total Oklahoma	
	Pennsylvania ☐ 2.1% (1.2% of Total Investments)	
500	Bucks County Industrial Development Authority, Pennsylvania, Charter School Revenue Bonds,	3/17 at :
300	School Lane Charter School, Series 2007A, 5.000%, 3/15/37	3,17 ac.
3,500		1/08 at 1
2,222	Bonds, Northampton Generating Project, Series 1994A, 6.400%, 1/01/09 (Alternative Minimum Tax)	_,
5,490	Pennsylvania Public School Building Authority, Lease Revenue Bonds, School District of	12/16 at 1
3,430	Philadelphia, Series 2006B, 4.500%, 6/01/32 FSA Insured (UB)	12/10 at .
2,600	Pennsylvania Turnpike Commission, Turnpike Revenue Bonds, Series 2004A, 5.500%, 12/01/31	12/14 at 1
2,000	AMBAC Insured	12/14 at .
12,090	Total Pennsylvania	
	Puerto Rico 🛘 2.5% (1.5% of Total Investments)	
12,390	Puerto Rico, General Obligation and Public Improvement Refunding Bonds, Series 1997, 6.500%,	No Op
	7/01/13 🛮 MBIA Insured	
	Rhode Island [] 3.7% (2.2% of Total Investments)	
20,000	Rhode Island Tobacco Settlement Financing Corporation, Tobacco Settlement Asset-Backed Bonds,	6/12 at 3
	Series 2002A, 6.250%, 6/01/42	
	South Carolina 4.2% (2.5% of Total Investments)	
4,120		8/14 at 1
7,120	Series 2004A, 5.250%, 2/15/23 [] MBIA Insured	5,17 00
3.000	Myrtle Beach, South Carolina, Hospitality and Accommodation Fee Revenue Bonds, Series 2004A,	6/14 at 1
3,000	5.000%, 6/01/36 [] FGIC Insured	0/14 at .
	Piedmont Municipal Power Agency, South Carolina, Electric Revenue Bonds, Series 1991:	
	reamont manuspar rower Agency, Journ Carolina, Electric Neverlae Bolius, Jenes 1991.	ļ

5,000	6.250%, 1/01/21 [] FGIC Insured	No Op
5,750	4.000%, 1/01/23 [] MBIA Insured	1/08 at 1
5,085	Piedmont Municipal Power Agency, South Carolina, Electric Revenue Refunding Bonds, Series	No Op
	1998A, 5.500%, 1/01/13 [] MBIA Insured	
22,955	Total South Carolina	
	South Dakota [] 0.3% (0.2% of Total Investments)	
1,750	South Dakota Health and Educational Facilities Authority, Revenue Bonds, Sioux Valley	11/14 at 1
	Hospitals, Series 2004A, 5.500%, 11/01/31	
	Tennessee [] 0.8% (0.5% of Total Investments)	
5,075	Knox County Health, Educational and Housing Facilities Board, Tennessee, Hospital Revenue	1/17 at
,	Refunding Bonds, Covenant Health, Series 2006, 0.000%, 1/01/41	·
1,500	Metropolitan Government of Nashville-Davidson County, Tennessee, Electric System Revenue	5/08 at 1
	Bonds, Series 1998A, 5.200%, 5/15/23	
680	Sullivan County Health Educational and Housing Facilities Board, Tennessee, Revenue Bonds,	9/16 at 1
	Wellmont Health System, Series 2006C, 5.250%, 9/01/36	
1,500	Sumner County Health, Educational, and Housing Facilities Board, Tennessee, Revenue Refunding Bonds,	11/17 at :
	Sumner Regional Health System Inc., Series 2007, 5.500%, 11/01/46 (WI/DD, Settling 8/15/07)	
8,755	Total Tennessee	
	Texas [] 18.8% (10.9% of Total Investments)	
3,000	Alliance Airport Authority, Texas, Special Facilities Revenue Bonds, American Airlines Inc.,	12/12 at 1
	Series 2007, 5.250%, 12/01/29 (Alternative Minimum Tax)	
5,440	Board of Regents, University of Texas System, Financing System Revenue Bonds, Series 2006F,	2/17 at :
	4.250%, 8/15/36 (UB)	
4,000	Central Texas Regional Mobility Authority, Travis and Williamson Counties, Toll Road Revenue	1/15 at 1
2.245	Bonds, Series 2005, 5.000%, 1/01/35 [] FGIC Insured	2/00 -+ :
3,345	Columbia-Brazoria Independent School District, Texas, Unlimited Tax School Building Bonds, Series 1999, 4.750%, 2/01/25	2/09 at 1
2.250	Dallas-Ft. Worth International Airport, Texas, Joint Revenue Bonds, Series 2004B, 5.000%,	11/14 at :
2,230	11/01/27 FSA Insured (Alternative Minimum Tax)	,
8,000		11/11 at :
	Series 2001A, 5.875%, 11/01/19 [] FGIC Insured (Alternative Minimum Tax)	
6,000	Garland Housing Finance Corporation, Texas, Multifamily Housing Revenue Bonds, Legacy Pointe	12/11 at :
	Apartments, Series 2000, 7.500%, 6/01/40 (Alternative Minimum Tax)	
7,000	Harris County Health Facilities Development Corporation, Texas, Thermal Utility Revenue Bonds,	11/13 at :
	TECO Project, Series 2003, 5.000%, 11/15/30 [] MBIA Insured	
28,305	Houston, Texas, Hotel Occupancy Tax and Special Revenue Bonds, Convention and Entertainment	No Op
7.500	Project, Series 2001B, 0.000%, 9/01/28 AMBAC Insured Houston Toxas Junior Lion Water and Sowerage System Beyonus Refunding Rends, Series 2002A	Na O
7,500	Houston, Texas, Junior Lien Water and Sewerage System Revenue Refunding Bonds, Series 2002A, 5.750%, 12/01/32 ☐ FSA Insured (ETM)	No Op
33.505	Leander Independent School District, Williamson and Travis Counties, Texas, General Obligation	8/14 at
33,303	Bonds, Series 2006, 0.000%, 8/15/39	5, ±∓ ut
117		11/07 at :
	Control 1002A 9 4500/ 12/01/11	

Series 1992A, 8.450%, 12/01/11

Montgomery Independent School District, Montgomery County, Texas, Unlimited Tax School

	Trontgomery independent serious sisterer, nortigomery country, resus, orimined rax serious	
	Building and Refunding Bonds, Series 2001:	
730		2/11 at 1
760	5.500%, 2/15/23	2/11 at 1
	Montgomery Independent School District, Montgomery County, Texas, Unlimited Tax School	
	Building and Refunding Bonds, Series 2001:	
1,570	5.500%, 2/15/21 (Pre-refunded 2/15/11)	2/11 at 1
1,640	5.500%, 2/15/23 (Pre-refunded 2/15/11)	2/11 at 1
	Mt. Pleasant Independent School District, Titus County, Texas, General Obligation Refunding	
	Bonds, Series 2001:	
3,025		8/11 at 1
2,300	5.125%, 2/15/31	8/11 at 1
700	Mt. Pleasant Independent School District, Titus County, Texas, General Obligation Refunding Bonds, Series 2001, 5.125%, 2/15/31 (Pre-refunded 8/15/11)	8/11 at 1
6,000	Raven Hills Higher Education Corporation, Texas, Student Housing Revenue Bonds, Angelo State University [] Texan Hall LLC, Series 2002A, 5.000%, 8/01/25 (Pre-refunded 8/01/12) [] MBIA Insured	8/12 at 1
3,410		12/12 at 1
1,800	Sam Rayburn Municipal Power Agency, Texas, Power Supply System Revenue Refunding Bonds, Series 2002A, 5.750%, 10/01/21 RAAI Insured	10/12 at 1
4,700	Spring Branch Independent School District, Harris County, Texas, Limited Tax Schoolhouse and Refunding Bonds, Series 2001, 5.125%, 2/01/26 (Pre-refunded 2/01/11)	2/11 at 1
3,200	Tarrant County Cultural & Educational Facilities Financing Corporation, Texas, Revenue Bonds, Series 2007, 5.000%, 2/15/36	2/17 at 1
800	Texas, General Obligation Bonds, Transportation Commission Mobility Fund, Series 2007, Residuals 1872-1, 5.774%, 4/01/33 (IF)	4/17 at 1
3,000	Texas, General Obligation Bonds, Transportation Commission Mobility Fund, Series 2007, Residuals 1872-2, 5.774%, 4/01/33 (IF)	4/17 at 1
8,500	Travis County Health Facilities Development Corporation, Texas, Hospital Revenue Bonds, Daughters of Charity National Health System, Series 1993B, 6.000%, 11/15/22 (ETM)	10/07 at 1
150,597	Total Texas	
	Utah [] 2.2% (1.3% of Total Investments)	
4,845	Bountiful, Davis County, Utah, Hospital Revenue Refunding Bonds, South Davis Community Hospital Project, Series 1998, 5.750%, 12/15/18	12/08 at I
4,995	Intermountain Power Agency, Utah, Power Supply Revenue Bonds, Series 1996A, 6.150%, 7/01/14 (ETM)	10/07 at 1
520	Utah Housing Finance Agency, Single Family Mortgage Bonds, Series 2000G, 5.875%, 7/01/27 (Alternative Minimum Tax)	7/10 at 1
	Utah Housing Finance Agency, Single Family Mortgage Bonds, Series 2001C:	
1,510	5.500%, 1/01/18 (Alternative Minimum Tax)	1/11 at 1
500	5.650%, 1/01/21 (Alternative Minimum Tax)	1/11 at 1
12,370	Total Utah	

Virginia [] 1.5% (0.9% of Total Investments)

8,190	Hampton, Virginia, Revenue Bonds, Convention Center Project, Series 2002, 5.000%, $1/15/35\ \square$ AMBAC Insured	1/13 at 1
	Washington ☐ 10.1% (5.9% of Total Investments)	
1,855	Chelan County Public Utility District 1, Washington, Hydro Consolidated System Revenue Bonds, Series 1999A, 6.200%, 7/01/34 (Alternative Minimum Tax)	7/09 at 1
2,500	Energy Northwest, Washington, Electric Revenue Refunding Bonds, Columbia Generating Station Nuclear Project 2, Series 2002C, 5.750%, 7/01/17 MBIA Insured	7/12 at 1
1,655	Everett, Washington, Limited Tax General Obligation Bonds, Series 1997, 5.125%, 9/01/17 FSA Insured	9/07 at 1
220	Grant County Public Utility District 2, Washington, Revenue Bonds, Wanapum Hydroelectric Development, Series 2005A, 5.000%, 1/01/34 (Pre-refunded 1/01/15) FGIC Insured	1/15 at 1
5,780	Grant County Public Utility District 2, Washington, Revenue Bonds, Wanapum Hydroelectric Development, Series 2005A, 5.000%, 1/01/34 FGIC Insured	1/15 at 1
1,500	Snohomish County School District 6, Mukilteo, Washington, Unlimited Tax General Obligation and Refunding Bonds, Series 1993, 5.700%, 12/01/12 [] FGIC Insured	No Op
8,155	Tacoma, Washington, Electric System Revenue Refunding Bonds, Series 2001A, 5.750%, 1/01/20 (Pre-refunded 1/01/11) FSA Insured	1/11 at 1
4,705	Tacoma, Washington, Sewerage Revenue Refunding Bonds, Series 1994B, 8.000%, 12/01/08 [] FGIC Insured	No Op
11,000	Washington Public Power Supply System, Revenue Refunding Bonds, Nuclear Project 3, Series 1993B, 7.000%, 7/01/09	No Op
4,700	Washington Public Power Supply System, Revenue Refunding Bonds, Nuclear Project 3, Series 1998A, 5.125%, 7/01/18	7/08 at 1
1,000	Washington State Healthcare Facilities Authority, Revenue Bonds, Harrison Memorial Hospital, Series 1998, 5.000%, 8/15/28 AMBAC Insured	8/13 at 1
2,000	Washington State Healthcare Facilities Authority, Revenue Bonds, Highline Community Hospital, Series 1998, 5.000%, 8/15/21 ☐ RAAI Insured	8/08 at 1
5,500	Washington State Healthcare Facilities Authority, Revenue Bonds, Swedish Health Services, Series 1998, 5.500%, 11/15/14 [] AMBAC Insured	11/08 at 1
4,515	Washington State Tobacco Settlement Authority, Tobacco Settlement Asset-Backed Revenue Bonds, Series 2002, 6.500%, 6/01/26	6/13 at 1
55,085	Total Washington	
	Wisconsin [] 2.4% (1.4% of Total Investments)	
500	Wisconsin Health and Educational Facilities Authority, Revenue Bonds, Medical College of Wisconsin Inc., Series 1996, 5.500%, 12/01/26 [] MBIA Insured	12/08 at 1
7,500		2/12 at 1
5,000		5/16 at 1
13,000	Total Wisconsin	
\$ 1,068,771	Total Investments (cost \$939,820,261) [] 170.8%	
	Floating Rate Obligations (12.4)%	

Other Assets Less Liabilities [] 1.0%

Preferred Shares, at Liquidation Value ☐ (59.4)%

Net Assets Applicable to Common Shares ☐ 100%

The Fund may invest in <code>||zero coupon||</code> securities. A zero coupon security does not pay a regular interest coupon to its holders during the life of the security. Tax-exempt income to the holder of the security comes from accretion of the difference between the original purchase price of the security at issuance and the par value of the security at maturity and is effectively paid at maturity. Such securities are included in the portfolio with a 0.00% coupon rate in their description. The market prices of zero coupon securities generally are more volatile than the market prices of securities that pay interest periodically.

- (1) All percentages shown in the Portfolio of Investments are based on net assets applicable to Common shares unless otherwise noted.
- (2) Optional Call Provisions: Dates (month and year) and prices of the earliest optional call or redemption. There may be other call provisions at varying prices at later dates. Certain mortgage-backed securities may be subject to periodic principal paydowns.
- (3) Ratings: Using the higher of Standard & Poor\[\]s or Moody\[\]s rating. Ratings below BBB by Standard & Poor\[\]s Group or Baa by Moody\[\]s Investor Service, Inc. are considered to be below investment grade.
- (4) Backed by an escrow or trust containing sufficient U.S. Government or U.S. Government agency securities which ensure the timely payment of principal and interest. Such investments are normally considered to be equivalent to AAA rated securities.
- (5) The Issuer has received a formal adverse determination from the Internal Revenue Service (the <code>[IRS[]]</code>) regarding the tax-exempt status of the bonds[] coupon payments. The Fund will continue to treat coupon payments as tax-exempt income until such time that it is formally determined that the interest on the bonds should be treated as taxable.
- N/R Not rated.
- WI/DD Purchased on a when-issued or delayed delivery basis.
- (ETM) Escrowed to maturity.
 - (IF) Inverse floating rate investment.
 - (UB) Underlying bond of an inverse floating rate trust reflected as a financing transaction pursuant to the provisions of SFAS No. 140.

Income Tax Information

The following information is presented on an income tax basis. Differences between amounts for financial statement and federal income tax purposes are primarily due to the treatment of paydown gains and losses, timing differences in recognizing taxable market discount, timing differences in recognizing certain gains and losses on investment transactions and the treatment of investments in inverse floating rate transactions subject to SFAS No. 140.

At July 31, 2007, the cost of investments was \$868,595,425.

Gross unrealized appreciation and gross unrealized depreciation of investments at July 31, 2007, were as follows:

Gross unrealized:

Appreciation \$39,611,644

Depreciation	(5,625,033)
Net unrealized appreciation (depreciation) of investments	\$33,986,611

Item 2. Controls and Procedures.

- a. The registrant's principal executive and principal financial officers, or persons performing similar functions, have concluded that the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940, as amended (the "1940 Act") (17 CFR 270.30a-3(c))) are effective, as of a date within 90 days of the filing date of this report that includes the disclosure required by this paragraph, based on their evaluation of the controls and procedures required by Rule 30a-3(b) under the 1940 Act (17 CFR 270.30a-3(b)) and Rule 13a-15(b) or 15d-15(b) under the Securities Exchange Act of 1934 (17 CFR 240.13a-15(b) or 240.15d-15(b)).
- b. There were no changes in the registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the 1940 Act (17 CFR 270.30a-3(d)) that occurred during the registrant's last fiscal quarter that have materially affected, or are reasonably likely to materially affect, the registrant's internal control over financial reporting.

Item 3. Exhibits.

September 28, 2007

File as exhibits as part of this Form a separate certification for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2(a) under the 1940 Act (17 CFR 270.30a-2(a)), exactly as set forth below: EX-99 CERT Attached hereto.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

(Registrant) Nuveen Prem	ium Income Municipal Fund 4, Inc.
By (Signature and Title)*	/s/ Kevin J. McCarthy Kevin J. McCarthy Vice President and Secretary
Date September 28, 2007	
-	f the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed son behalf of the registrant and in the capacities and on the dates indicated.
By (Signature and Title)*	/s/ Gifford R. Zimmerman Gifford R. Zimmerman Chief Administrative Officer (principal executive officer)
Date September 28, 2007	
By (Signature and Title)*	/s/ Stephen D. Foy Stephen D. Foy Vice President and Controller (principal financial officer)

SIGNATURES 15

* Print the name and title of each signing officer under his or her signature.

SIGNATURES 16